

Connecting via Winsock to STN

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LOGINID:SSPTAACM1612

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|------|----|--------|---|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | APR 02 | CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases |
| NEWS | 3 | APR 02 | PATDPAFULL: Application and priority number formats enhanced |
| NEWS | 4 | APR 02 | DWPI: New display format ALLSTR available |
| NEWS | 5 | APR 02 | New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes |
| NEWS | 6 | APR 02 | EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948 |
| NEWS | 7 | APR 07 | CA/CAPLUS CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields |
| NEWS | 8 | APR 07 | 50,000 World Traditional Medicine (WTM) Patents Now Available in CAPLUS |
| NEWS | 9 | APR 07 | MEDLINE Coverage Is Extended Back to 1947 |
| NEWS | 10 | JUN 16 | WPI First View (File WPIFV) will no longer be available after July 30, 2010 |
| NEWS | 11 | JUN 18 | DWPI: New coverage - French Granted Patents |
| NEWS | 12 | JUN 18 | CAS and FIZ Karlsruhe announce plans for a new STN platform |
| NEWS | 13 | JUN 18 | IPC codes have been added to the INSPEC backfile (1969-2009) |
| NEWS | 14 | JUN 21 | Removal of Pre-IPC 8 data fields streamline displays in CA/CAPLUS, CASREACT, and MARPAT |
| NEWS | 15 | JUN 21 | Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN |
| NEWS | 16 | JUN 28 | Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol |
| NEWS | 17 | JUN 29 | Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN |
| NEWS | 18 | JUL 19 | Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses |
| NEWS | 19 | JUL 26 | CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica |
| NEWS | 20 | SEP 09 | New basic patent number increases precision in retrieving records from USGENE |
| NEWS | 21 | SEP 15 | MEDLINE Cited References provide additional relevant records with no additional searching. |

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:20:38 ON 15 SEP 2010

| | | |
|----------------------|------------|---------|
| => File Reg | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.44 | 0.44 |

FILE 'REGISTRY' ENTERED AT 15:21:28 ON 15 SEP 2010
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STRUCTURE FILE UPDATES: 14 SEP 2010 HIGHEST RN 1241051-30-8
DICTIONARY FILE UPDATES: 14 SEP 2010 HIGHEST RN 1241051-30-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

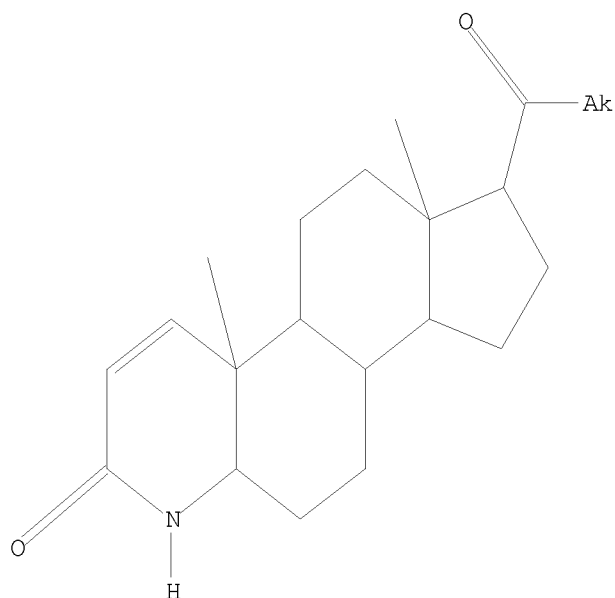
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\10521421a.str

L1 STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 15:22:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 132 TO ITERATE

100.0% PROCESSED 132 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1951 TO 3329

PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> D L2

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2010 ACS on STN

RN 177181-14-5 REGISTRY

ED Entered STN: 07 Jun 1996

CN 1,4-Pentanedione, 5,5,5-trifluoro-3-phenyl-1-
[(4aR,4bS,6aS,7S,9aS,9bS,11aR)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-
tetradecahydro-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinolin-7-yl]- (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4-Pentanedione, 5,5,5-trifluoro-1-[(5 α ,17 β)-3-oxo-4-
azaandrost-1-en-17-yl]-3-phenyl-

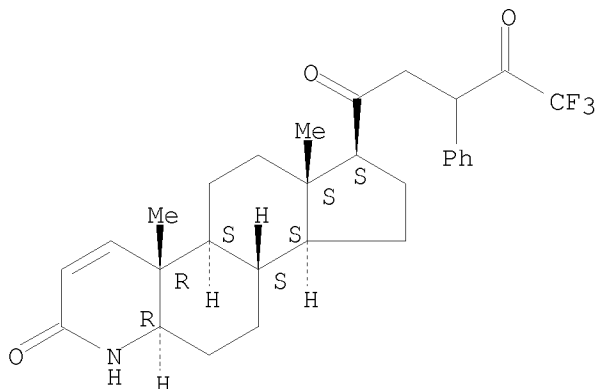
FS STEREOSEARCH

MF C29 H34 F3 N O3

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



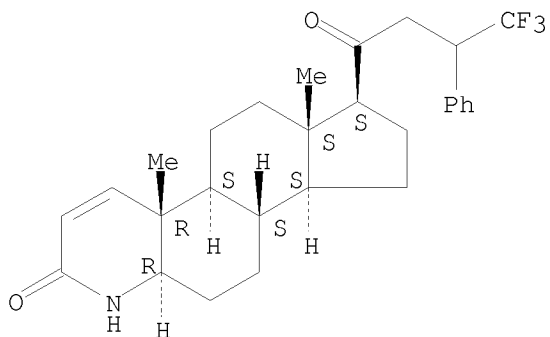
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> D L2 2

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2010 ACS on STN
RN 177181-10-1 REGISTRY
ED Entered STN: 07 Jun 1996
CN 2H-Indeno[5,4-f]quinolin-2-one, 1,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-7-(4,4,4-trifluoro-1-oxo-3-phenylbutyl)-, (4aR,4bS,6aS,7S,9aS,9bS,11aR)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4-Aza-21-norchol-1-ene-3,20-dione, 24,24,24-trifluoro-23-phenyl-, (5a)-
FS STEREOSEARCH
MF C28 H34 F3 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



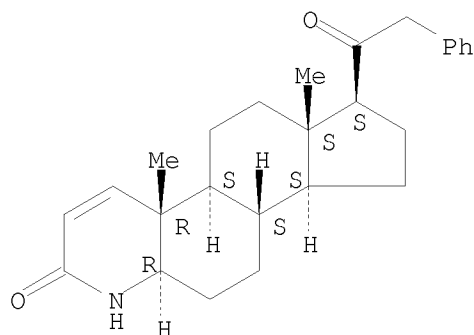
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> D L2 3

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2010 ACS on STN
RN 158097-74-6 REGISTRY
ED Entered STN: 05 Oct 1994
CN 2H-Indeno[5,4-f]quinolin-2-one, 1,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-7-(2-phenylacetyl)-, (4aR,4bS,6aS,7S,9aS,9bS,11aR)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2H-Indeno[5,4-f]quinolin-2-one, 1,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-7-(phenylacetyl)-, (4aR,4bS,6aS,7S,9aS,9bS,11aR)- (9CI)
CN 4-Azapregn-1-ene-3,20-dione, 21-phenyl-, (5 α)-
FS STEREOSEARCH
MF C26 H33 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> File Home

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 7.77 | 8.21 |

FILE 'HOME' ENTERED AT 15:23:13 ON 15 SEP 2010

=> Fil Reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 1.98 | 10.19 |

FILE 'REGISTRY' ENTERED AT 15:28:54 ON 15 SEP 2010

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STRUCTURE FILE UPDATES: 14 SEP 2010 HIGHEST RN 1241051-30-8
DICTIONARY FILE UPDATES: 14 SEP 2010 HIGHEST RN 1241051-30-8

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S L1 full

FULL SEARCH INITIATED 15:29:33 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2606 TO ITERATE

100.0% PROCESSED 2606 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

L3 35 SEA SSS FUL L1

=> File CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

192.03

202.22

FILE 'CAPLUS' ENTERED AT 15:29:51 ON 15 SEP 2010

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FILE COVERS 1907 - 15 Sep 2010 VOL 153 ISS 12

FILE LAST UPDATED: 14 Sep 2010 (20100914/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2010

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3/Prep

38 L3
5066040 PREP/RL
L4 21 L3/PREP
(L3 (L) PREP/RL)

=> D L4

L4 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1997:776029 CAPLUS
DN 128:61680
OREF 128:12090h,12091a
TI Preparation of substituted 4-aza-3-oxo-steroids for use as
5 α -reductase inhibitors
IN Durette, Philippe L.; Hagmann, William; Rasmusson, Gary H.; Tolman,
Richard L.; Kopka, Ihor E.; Sahoo, Soumya P.; Esser, Craig K.; Steinberg,
Nathan G.; Graham, Donald W.; Witzel, Bruce E.
PA Merck and Co., Inc., USA
SO U.S., 139 pp., Cont.-in-part of U.S. Ser. No. 886,537, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | US 5693809 | A | 19971202 | US 1995-338571 | 19950512 |
| PRAI | US 1992-886537 | B2 | 19920520 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 128:61680
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D L4 2-21

L4 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1997:574511 CAPLUS
DN 127:220861
OREF 127:43053a,43056a
TI Preparation of 4-azapregnanes as 5 α -reductase isoenzyme 1 inhibitors
IN Durette, Philippe L.; Sahoo, Soumya P.
PA Merck and Co., Inc., USA
SO U.S., 9 pp., Cont.-in-part of U.S. Ser. No. 83,797, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | US 5658922 | A | 19970819 | US 1995-537876 | 19951031 |
| | WO 9500147 | A1 | 19950105 | WO 1994-US7220 | 19940627 |
| | W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| PRAI | US 1993-83798 | B2 | 19930628 | | |

WO 1994-US7220 W 19940627
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OS MARPAT 127:220861
 OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
 RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1996:332433 CAPLUS
 DN 125:11218
 OREF 125:2465a,2468a
 TI 4-aza steroids with fluoro ketone side-chains
 IN Panzeri, Achille; Nesi, Marcella; Di Salle, Enrico
 PA Pharmacia S.P.A., Italy
 SO PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 9603422 | A1 | 19960208 | WO 1995-EP2649 | 19950707 |
| | W: JP, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | EP 721462 | A1 | 19960717 | EP 1995-924985 | 19950707 |
| | R: DE, GB, IT | | | | |
| | JP 09503227 | T | 19970331 | JP 1996-505393 | 19950707 |
| | US 5719159 | A | 19980217 | US 1996-615242 | 19960531 |
| PRAI | GB 1994-15178 | A | 19940728 | | |
| | WO 1995-EP2649 | W | 19950707 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OS MARPAT 125:11218
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1995:408566 CAPLUS
 DN 122:208685
 OREF 122:38001a
 TI 4-aza-pregnane 5 alpha-reductase isoenzyme 1 inhibitors
 IN Durette, Philippe L.; Sahoo, Soumya P.
 PA Merck and Co., Inc., USA
 SO PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 9500147 | A1 | 19950105 | WO 1994-US7220 | 19940627 |
| | W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2165077 | A1 | 19950105 | CA 1994-2165077 | 19940627 |
| | AU 9473177 | A | 19950117 | AU 1994-73177 | 19940627 |
| | AU 679769 | B2 | 19970710 | | |
| | EP 711164 | A1 | 19960515 | EP 1994-923254 | 19940627 |
| | EP 711164 | B1 | 19970917 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | | |

| | | | | |
|--------------------|----|----------|----------------|----------|
| JP 08512033 | T | 19961217 | JP 1994-503118 | 19940627 |
| AT 158301 | T | 19971015 | AT 1994-923254 | 19940627 |
| JP 3325026 | B2 | 20020917 | JP 1995-503118 | 19940627 |
| US 5658922 | A | 19970819 | US 1995-537876 | 19951031 |
| PRAI US 1993-83798 | A | 19930628 | | |
| WO 1994-US7220 | W | 19940627 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 122:208685

OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1995:266948 CAPLUS

DN 122:56297

OREF 122:10919a,10922a

TI preparation of substituted 4-aza-5a-androstanones as 5 α -reductase inhibitors

IN Durette, Philippe L.; Hagmann, William; Rasmusson, Gary H.; Tolman, Richard L.; Kopka, Ihor E.; Sahoo, Soumya P.; Esser, Craig K.; Steinberg, Nathan G.; Graham, Donald W.; Witzel, Bruce E.

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 533 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | WO 9323039 | A1 | 19931125 | WO 1993-US4734 | 19930518 |
| | W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | AU 9342519 | A | 19931213 | AU 1993-42519 | 19930518 |
| PRAI | US 1992-886537 | A2 | 19920520 | | |
| | WO 1993-US4734 | A | 19930518 | | |

OS MARPAT 122:56297

OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1994:270957 CAPLUS

DN 120:270957

OREF 120:48027a,48030a

TI Preparation of Δ 17- and Δ 20-olefinic and saturated 17 β -substituted-4-aza-5 α -androstan-3-ones as testosterone 5 α -reductase inhibitors

IN Graham, Donald W.; Aster, Susan D.; Tolman, Richard L.

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | WO 9323050 | A1 | 19931125 | WO 1993-US4630 | 19930517 |
| | W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US | | | | |

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
 BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
 AU 9342504 A 19931213 AU 1993-42504 19930517
 AU 676478 B2 19970313
 EP 646007 A1 19950405 EP 1993-911330 19930517
 EP 646007 B1 19970813
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
 JP 07508032 T 19950907 JP 1993-503778 19930517
 AT 156839 T 19970815 AT 1993-911330 19930517
 US 5510351 A 19960423 US 1994-338490 19941114
 PRAI US 1992-886050 A2 19920520
 WO 1993-US4630 A 19930517
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OS MARPAT 120:270957
 OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1993:603668 CAPLUS
 DN 119:203668
 OREF 119:36341a,36344a
 TI Treatment of benign prostatic hyperplasia with a pharmaceutical
 combination of a 5 α -reductase inhibitor and an aromatase inhibitor
 IN Gormley, Glen J.; Stoner, Elizabeth
 PA Merck and Co., Inc., USA
 SO PCT Int. Appl., 289 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9218132 | A1 | 19921029 | WO 1992-US2749 | 19920406 |
| W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD | | | | |
| RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG | | | | |
| AU 9218934 | A | 19921117 | AU 1992-18934 | 19920406 |
| ZA 9202810 | A | 19921125 | ZA 1992-2810 | 19920416 |
| PRAI US 1991-686720 | A | 19910417 | | |
| US 1991-746388 | A | 19910816 | | |
| US 1992-846155 | A | 19920311 | | |
| WO 1992-US2749 | A | 19920406 | | |

 OS MARPAT 119:203668
 OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 1993:560643 CAPLUS
 DN 119:160643
 OREF 119:28813a,28816a
 TI Preparation of 17 β -acyl-4-aza-5 α -androst-1-en-3-ones as
 testosterone 5 α -reductase inhibitors for prevention of prostatic
 carcinoma
 IN Gormley, Glenn J.; Stoner, Elizabeth
 PA Merck and Co., Inc., USA
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------|-------------------------------|------|----------|--|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 547690 | A1 | 19930623 | EP 1992-203856 | 19921210 |
| | R: CH, DE, FR, GB, IT, LI, NL | | | | |
| | CA 2084798 | A1 | 19930618 | CA 1992-2084798 | 19921208 |
| | JP 05255382 | A | 19931005 | JP 1992-329643 | 19921209 |
| PRAI | US 1991-808509 | A | 19911217 | | |
| OS | MARPAT 119:160643 | | | | |
| OSC.G | 2 | | | THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS) | |

L4 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:213352 CAPLUS

DN 118:213352

OREF 118:36795a,36798a

TI Pharmaceutical combination for the treatment of prostatic cancer containing a 5 alpha reductase inhibitor and an antiandrogen

IN Gormley, Glenn J.; Stoner, Elizabeth

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 286 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | WO 9216233 | A1 | 19921001 | WO 1992-US2213 | 19920319 |
| | W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD | | | | |
| | RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG | | | | |
| | AU 9216802 | A | 19921021 | AU 1992-16802 | 19920319 |
| | ZA 9202012 | A | 19921125 | ZA 1992-2012 | 19920319 |
| | US 5994362 | A | 19991130 | US 1995-459063 | 19950602 |
| PRAI | US 1991-672506 | A | 19910320 | | |
| | US 1992-846154 | A | 19920311 | | |
| | WO 1992-US2213 | A | 19920319 | | |
| | US 1993-94950 | B1 | 19931227 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 118:213352

OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1993:102309 CAPLUS

DN 118:102309

OREF 118:17937a,17940a

TI Pharmaceutical combination for the treatment of prostatic hyperplasia, containing a 5 α -reductase inhibitor and an α 1-adrenergic receptor blocker, and synthesis of some 5 α -reductase inhibitors

IN Gormley, Glenn J.; Stoner, Elizabeth

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 277 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------|------|-------|-----------------|-------|
| | ----- | ---- | ----- | ----- | ----- |

PI WO 9216213 A1 19921001 WO 1992-US2258 19920319
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KR, LK, MG, MN, MW, NO, PL,
RO, RU, SD
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,
GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG
IL 101243 A 19991222 IL 1992-101243 19920316
NZ 260737 A 20000728 NZ 1992-260737 19920316
CA 2104793 A1 19920921 CA 1992-2104793 19920319
CA 2104793 C 20040622
AU 9217514 A 19921021 AU 1992-17514 19920319
AU 666846 B2 19960229
ZA 9202010 A 19921125 ZA 1992-2010 19920319
EP 576603 A1 19940105 EP 1992-910266 19920319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
JP 06506227 T 19940714 JP 1992-509435 19920319
HU 66273 A2 19941128 HU 1993-2624 19920319
RO 113613 B1 19980930 RO 1993-1253 19920319
RU 2125879 C1 19990210 RU 1993-55133 19920319
SG 80530 A1 20010522 SG 1996-3649 19920319
CZ 292712 B6 20031217 CZ 1993-1933 19920319
SK 284381 B6 20050204 SK 1993-1006 19920319
NO 9303327 A 19931117 NO 1993-3327 19930917
NO 305635 B1 19990705
US 5753641 A 19980519 US 1995-428595 19950425
US 6046183 A 20000404 US 1998-27105 19980220
PRAI US 1991-672511 A 19910320
US 1992-846153 A 19920311
NZ 1992-241979 A1 19920316
WO 1992-US2258 A 19920319
US 1993-22805 B1 19930222
US 1994-201063 B1 19940224
US 1995-428595 A1 19950425

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 118:102309

OSC.G 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1992:59744 CAPLUS

DN 116:59744

OREF 116:10357a,10360a

TI Process for making 17- β -alkanoyl-3-oxo-4-aza-5- α -androst-1-enes

IN Williams, John M.

PA Merck and Co., Inc., USA

SO U.S., 4 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------------------|------|----------|-----------------|----------|
| PI | US 5061803 | A | 19911029 | US 1990-587299 | 19900924 |
| | CA 2050821 | A1 | 19920325 | CA 1991-2050821 | 19910906 |
| | EP 478068 | A2 | 19920401 | EP 1991-202402 | 19910918 |
| | EP 478068 | A3 | 19930623 | | |
| | R: CH, DE, FR, GB, IT, LI, NL | | | | |
| | JP 04297490 | A | 19921021 | JP 1991-241556 | 19910920 |
| | JP 06037515 | B | 19940518 | | |
| PRAI | US 1990-587299 | A | 19900924 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 116:59744; MARPAT 116:59744
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1991:680373 CAPLUS
DN 115:280373
OREF 115:47659a,47662a
TI The synthesis of some novel N-chloro- Δ^1 -4-azasteroids by efficient
N-chlorination of azasteroid lactams with trichloroisocyanuric acid
AU Back, Thomas G.; Chau, Joseph H. L.; Dyck, Brian P.; Gladstone, Patricia
L.
CS Dep. Chem., Univ. Calgary, Calgary, AB, T2N 1N4, Can.
SO Canadian Journal of Chemistry (1991), 69(9), 1482-6
CODEN: CJCHAG; ISSN: 0008-4042
DT Journal
LA English
OS CASREACT 115:280373
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L4 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1991:409127 CAPLUS
DN 115:9127
OREF 115:1785a,1788a
TI Preparation of 17 β -acyl-4-aza-5 α -androst-1-ene-3-ones as 5
 α -reductase inhibitors
IN Rasmusson, Gary H.; Reynolds, Glenn F.
PA Merck and Co., Inc., USA
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW

DT Patent
LA English

FAN.CNT 7

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 414490 | A2 | 19910227 | EP 1990-309144 | 19900821 |
| | EP 414490 | A3 | 19920826 | | |
| | R: CH, DE, FR, GB, IT, LI, NL | | | | |
| | ZA 9100676 | A | 19930224 | ZA 1991-676 | 19900130 |
| | CA 2023157 | A1 | 19910222 | CA 1990-2023157 | 19900813 |
| | JP 03169891 | A | 19910723 | JP 1990-218277 | 19900821 |
| | US 5120742 | A | 19920609 | US 1991-683520 | 19910409 |
| PRAI | US 1989-396183 | A | 19890821 | | |
| | US 1984-584061 | B1 | 19840227 | | |
| | US 1985-800624 | B1 | 19851121 | | |
| | US 1987-129335 | A1 | 19871203 | | |
| | US 1989-363567 | B2 | 19890608 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 115:9127
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L4 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1991:247583 CAPLUS
DN 114:247583
OREF 114:41821a,41824a
TI Preparation of 17 β -acyl-4-aza-5 α -androst-1-ene-3-ones as
5 α -testosterone reductase inhibitors
IN Rasmusson, Gary H.; Reynolds, Glenn F.
PA Merck and Co., Inc., USA
SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent
LA English
FAN.CNT 7

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 414491 | A2 | 19910227 | EP 1990-309145 | 19900821 |
| | EP 414491 | A3 | 19920826 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| | US 5049562 | A | 19910917 | US 1989-396184 | 19890821 |
| | CA 2023158 | A1 | 19910222 | CA 1990-2023158 | 19900813 |
| | AU 9061169 | A | 19910221 | AU 1990-61169 | 19900820 |
| | NO 9003656 | A | 19910222 | NO 1990-3656 | 19900820 |
| | ZA 9006579 | A | 19921125 | ZA 1990-6579 | 19900820 |
| | JP 03163093 | A | 19910715 | JP 1990-218279 | 19900821 |
| PRAI | US 1989-396184 | A | 19890821 | | |
| | US 1984-584061 | B1 | 19840227 | | |
| | US 1985-800624 | B1 | 19851121 | | |
| | US 1987-129335 | A1 | 19871203 | | |
| | US 1989-363567 | A2 | 19890608 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 114:247583; MARPAT 114:247583

OSC.G 35 THERE ARE 35 CAPLUS RECORDS THAT CITE THIS RECORD (35 CITINGS)

L4 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1991:164608 CAPLUS

DN 114:164608

OREF 114:27861a,27864a

TI Acylimidazolidines as versatile synthetic intermediates for the preparation of sterically congested amides and ketones: a practical synthesis of Proscar

AU Bhattacharya, A.; Williams, J. M.; Amato, J. S.; Dolling, U. H.; Grabowski, E. J. J.

CS Process Res. Dep., Merck Sharp and Dohme Res. Lab., Rahway, NJ, 07065, USA

SO Synthetic Communications (1990), 20(17), 2683-90

CODEN: SYNCAV; ISSN: 0039-7911

DT Journal

LA English

OS CASREACT 114:164608

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L4 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1990:532584 CAPLUS

DN 113:132584

OREF 113:22547a,22550a

TI Preparation of 4-azo-chol-1-ene-3,20-dione derivatives as testosterone reductase inhibitors

IN Bhattacharya, Apurba; Dolling, Ulf H.; Amato, Joseph S.; Williams, John M.

PA Merck and Co., Inc., USA

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 367502 | A1 | 19900509 | EP 1989-311066 | 19891026 |
| | EP 367502 | B1 | 19950913 | | |
| | R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE | | | | |
| | US 5237061 | A | 19930817 | US 1988-264652 | 19881031 |
| | CA 1326013 | C | 19940111 | CA 1989-615350 | 19890929 |

| | | | | |
|---------------------|----|----------|----------------|----------|
| JP 02172999 | A | 19900704 | JP 1989-275124 | 19891024 |
| JP 07014959 | B | 19950222 | | |
| ES 2078909 | T3 | 19960101 | ES 1989-311066 | 19891026 |
| DK 8905395 | A | 19900501 | DK 1989-5395 | 19891030 |
| DK 170734 | B1 | 19951227 | | |
| PRAI US 1988-264652 | A | 19881031 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 113:132584

OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L4 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1989:213174 CAPLUS

DN 110:213174

OREF 110:35391a,35394a

TI Process for the dehydrogenation of 3-oxo steroids (and especially 3-oxo-4-azasteroids) in the 1,2-position using quinones and silylating agents, and quinone-steroid adduct intermediates

IN Bhattacharya, Apurba; Douglas, Alan W.; Grabowski, Edward J.; Dolling, Ulf H.

PA Merck and Co., Inc., USA

SO Eur. Pat. Appl., 32 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 298652 | A2 | 19890111 | EP 1988-305926 | 19880627 |
| | EP 298652 | A3 | 19900307 | | |
| | EP 298652 | B1 | 19950118 | | |
| | R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| | IL 86821 | A | 19930513 | IL 1988-86821 | 19880621 |
| | CA 1331601 | C | 19940823 | CA 1988-570228 | 19880623 |
| | AU 8818457 | A | 19890105 | AU 1988-18457 | 19880627 |
| | AU 608860 | B2 | 19910418 | | |
| | ES 2066786 | T3 | 19950316 | ES 1988-305926 | 19880627 |
| | ZA 8804610 | A | 19890222 | ZA 1988-4610 | 19880628 |
| | DK 8803550 | A | 19890224 | DK 1988-3550 | 19880628 |
| | DK 172531 | B1 | 19990621 | | |
| | JP 01079198 | A | 19890324 | JP 1988-159579 | 19880629 |
| | JP 07025791 | B | 19950322 | | |
| | DK 9800580 | A | 19980428 | DK 1998-580 | 19980428 |
| | DK 175240 | B1 | 20040719 | | |
| PRAI | US 1987-67568 | A | 19870629 | | |
| | US 1987-67572 | A | 19870629 | | |

OS MARPAT 110:213174

OSC.G 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L4 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1988:611268 CAPLUS

DN 109:211268

OREF 109:34963a,34966a

TI Preparation of 17 β -acyl-4-aza-5 α -androst-1-en-3-ones, useful as inhibitors of testosterone 5 α -reductase

IN Rasmusson, Gary H.; Reynolds, Glenn F.

PA Merck and Co., Inc., USA

SO Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 7

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | EP 271219 | A1 | 19880615 | EP 1987-309949 | 19871111 |
| | EP 271219 | B1 | 19920729 | | |
| | R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE | | | | |
| | AT 78827 | T | 19920815 | AT 1987-309949 | 19871111 |
| | DK 8706071 | A | 19880521 | DK 1987-6071 | 19871119 |
| | DK 164915 | B | 19920907 | | |
| | DK 164915 | C | 19940620 | | |
| | JP 63139196 | A | 19880610 | JP 1987-292214 | 19871120 |
| | US 5138063 | A | 19920811 | US 1991-701332 | 19910509 |
| PRAI | US 1986-932549 | A | 19861120 | | |
| | US 1984-584061 | B1 | 19840227 | | |
| | US 1985-800624 | B2 | 19851121 | | |
| | EP 1987-309949 | A | 19871111 | | |
| | US 1988-285375 | B1 | 19881216 | | |
| | US 1990-536037 | B1 | 19900611 | | |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 109:211268

OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L4 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1988:406788 CAPLUS

DN 109:6788

OREF 109:1289a,1292a

TI Silylation-mediated oxidation of 4-aza-3-ketosteroids with DDQ proceeds via DDQ-substrate adducts

AU Bhattacharya, Apurba; DiMichele, Lisa M.; Dolling, Ulf H.; Douglas, Alan W.; Grabowski, Edward J. J.

CS Merck Sharp and Dohme Res. Lab., Merck and Co., Rahway, NJ, 07065, USA

SO Journal of the American Chemical Society (1988), 110(10), 3318-19

CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA English

OS CASREACT 109:6788

OSC.G 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)

L4 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1987:33371 CAPLUS

DN 106:33371

OREF 106:5607a,5610a

TI Azasteroids: structure-activity relationships for inhibition of 5 α -reductase and of androgen receptor binding

AU Rasmusson, Gary H.; Reynolds, Glenn F.; Steinberg, Nathan G.; Walton, Edward; Patel, Gool F.; Liang, Tehming; Cascieri, Margaret A.; Cheung, Anne H.; Brooks, Jerry R.; Berman, Charles

CS Dep. Biochem. Endocrinol., Merck Sharp and Dohme Res. Lab., Rahway, NJ, 07065, USA

SO Journal of Medicinal Chemistry (1986), 29(11), 2298-315

CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 106:33371

OSC.G 129 THERE ARE 129 CAPLUS RECORDS THAT CITE THIS RECORD (131 CITINGS)

L4 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN

AN 1986:460814 CAPLUS

DN 105:60814

OREF 105:9951a,9954a

TI 17 β -Substituted 4-aza-5 α -androsthenones and their use as testosterone 5 α -reductase inhibitors

IN Rasmusson, Gary H.; Reynolds, Glenn F.
PA Merck and Co., Inc. , USA
SO Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 7

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | EP 155096 | A2 | 19850918 | EP 1985-301122 | 19850220 |
| | EP 155096 | A3 | 19860702 | | |
| | EP 155096 | B1 | 19891004 | | |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE | | | | |
| | IL 74365 | A | 19900726 | IL 1985-74365 | 19850218 |
| | IL 86924 | A | 19900726 | IL 1985-86924 | 19850218 |
| | EP 314199 | A1 | 19890503 | EP 1988-119105 | 19850220 |
| | EP 314199 | B1 | 19910918 | | |
| | R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE | | | | |
| | AT 46912 | T | 19891015 | AT 1985-301122 | 19850220 |
| | AT 67503 | T | 19911015 | AT 1988-119105 | 19850220 |
| | AU 8539167 | A | 19850905 | AU 1985-39167 | 19850226 |
| | AU 584321 | B2 | 19890525 | | |
| | DK 8500859 | A | 19851022 | DK 1985-859 | 19850226 |
| | DK 166704 | B1 | 19930628 | | |
| | ZA 8501426 | A | 19861029 | ZA 1985-1426 | 19850226 |
| | CA 1314541 | C | 19930316 | CA 1985-475184 | 19850226 |
| | JP 60222497 | A | 19851107 | JP 1985-36714 | 19850227 |
| | JP 63065080 | B | 19881214 | | |
| | US 4760071 | A | 19880726 | US 1985-800623 | 19851121 |
| | US 4859681 | A | 19890822 | US 1987-129335 | 19871203 |
| | US 4822803 | A | 19890418 | US 1988-152215 | 19880204 |
| | JP 01093600 | A | 19890412 | JP 1988-135348 | 19880601 |
| | JP 05041638 | B | 19930624 | | |
| | AU 8933135 | A | 19890810 | AU 1989-33135 | 19890418 |
| | AU 626293 | B2 | 19920730 | | |
| | AU 9170835 | A | 19910711 | AU 1991-70835 | 19910206 |
| | US 5120742 | A | 19920609 | US 1991-683520 | 19910409 |
| | US 5138063 | A | 19920811 | US 1991-701332 | 19910509 |
| | US 5151429 | A | 19920929 | US 1991-764047 | 19910923 |
| | AU 9227481 | A | 19930318 | AU 1992-27481 | 19921030 |
| | AU 651741 | B2 | 19940728 | | |
| | US 5571817 | A | 19961105 | US 1993-94815 | 19930720 |
| | US 5567708 | A | 19961022 | US 1995-455464 | 19950531 |
| PRAI | US 1984-584061 | A | 19840227 | | |
| | US 1984-584062 | A | 19840227 | | |
| | US 1983-547508 | A2 | 19831031 | | |
| | US 1984-661645 | A2 | 19841017 | | |
| | IL 1985-74365 | A | 19850218 | | |
| | EP 1985-301122 | P | 19850220 | | |
| | EP 1988-119105 | A | 19850220 | | |
| | US 1985-725265 | A3 | 19850419 | | |
| | US 1985-800623 | A2 | 19851121 | | |
| | US 1985-800624 | A1 | 19851121 | | |
| | US 1986-932549 | B1 | 19861120 | | |
| | US 1987-1262 | A3 | 19870107 | | |
| | US 1987-34806 | B1 | 19870403 | | |
| | US 1987-129335 | A1 | 19871203 | | |
| | US 1988-198708 | B1 | 19880519 | | |
| | US 1988-285375 | B1 | 19881216 | | |
| | US 1989-363567 | B2 | 19890608 | | |
| | US 1989-370142 | B1 | 19890621 | | |

| | | |
|----------------|----|----------|
| US 1989-396183 | B1 | 19890821 |
| US 1990-536037 | B1 | 19900611 |
| US 1990-545676 | B1 | 19900628 |
| US 1990-630357 | B1 | 19901218 |
| US 1991-698374 | B1 | 19910509 |
| US 1992-927256 | B1 | 19920807 |
| US 1993-16476 | B1 | 19930210 |
| US 1993-94815 | A1 | 19930720 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 105:60814; MARPAT 105:60814

OSC.G 92 THERE ARE 92 CAPLUS RECORDS THAT CITE THIS RECORD (220 CITINGS)

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| FULL ESTIMATED COST | 0.22 | 234.19 |

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 DICTIONARY FILE UPDATES: 14 SEP 2010 HIGHEST RN 1241051-30-8

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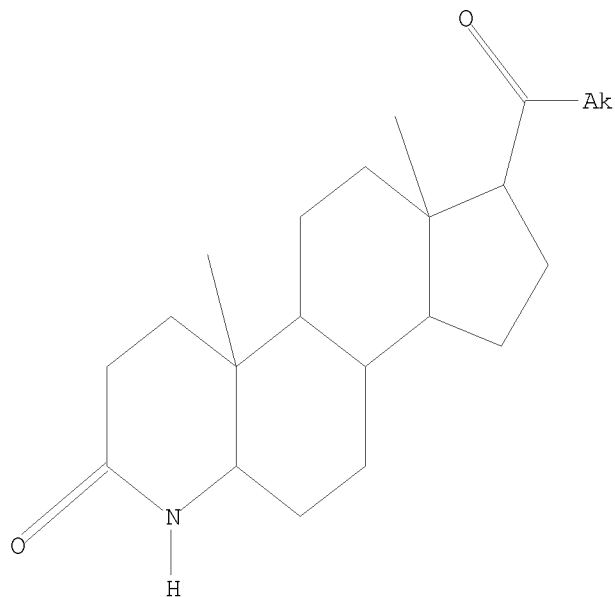
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 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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L5 STRUCTURE UPLOADED

=> D L5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 132 TO ITERATE

100.0% PROCESSED 132 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 1951 TO 3329
PROJECTED ANSWERS: 2 TO 124

L6 2 SEA SSS SAM L5

=> S L5 full
FULL SEARCH INITIATED 15:36:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2606 TO ITERATE

100.0% PROCESSED 2606 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01

L7 21 SEA SSS FUL L5

=> L6 and L4

L6 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> S L6 and L4

'PREP' IS NOT A VALID CROSSOVER QUALIFIER FOR L3

Answer sets created in a different file may be field qualified with a
limited set of qualifiers. Enter HELP CROSSOVER at an arrow prompt
(=>) for specific information.

=> S L3 and L6

L8 0 L3 AND L6

=> File home

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

194.48

428.67

FILE 'HOME' ENTERED AT 15:38:58 ON 15 SEP 2010